IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the reissue application o

Ann MONOSOV

Patent No.:

5,569,812

Issue Date:

October 29, 1996

For:

NUDE MOUSE MODEL FOR HUMAN

NEOPLASTIC DISEASE

REISSUE APPLICATION DECLARATION AND POWER OF ATTORNEY BY ASSIGNEE

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

The undersigned officer of AntiCancer, Inc., the assignee of all right, title and interest in U.S. patent 5,569,812 hereby make application for reissue of said patent on behalf of the inventors.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. § 1.56(a) and (b).

STATEMENT OF INOPERATIVENESS OR INVALIDITY OR INVALIDITY OF ORIGINAL PATENT

That I believe the original patent to be partly inoperative or invalid because of error without any deceptive intent on the part of the applicant pursuant to 37 C.F.R. § 1.175(a)(6).

The statement below specifies the errors relied upon, and how they arose pursuant to 37 C.F.R. § 1.175(a)(5), I believe there is an insufficiency in the claims that make the

patent inoperative or invalid by reason of the patentee claiming more or less than he had a right to claim in the patent.(37 C.F.R. § 1.175(a)(3))

STATEMENT OF INOPERATIVENESS OR INVALIDITY OF ORIGINAL PATENT

Applicant presents this Declaration in support of the above-captioned application for reissue of U.S. Patent No. 5,569,812 to correct certain errors in the prosecution of the original patent which are discussed in this Declaration.

- 1. U.S. Patent No. 5,569,812 ("812 patent") issued on October 29, 1996, from Application No. 459,730, filed on June 2, 1995; which is a continuation of Application No. 169,735, filed on December 17, 1993, which issued on February 13, 1996 as U.S. Patent 5,491,284, which is a continuation of Application No. 719,814, filed on June 24, 1991, now abandoned; which is a continuation-in-part of Application No. 253,990, filed October 5, 1988, now abandoned.
- 2. The present claims of the '812 patent are drawn to a nude mouse model for human neoplastic disease and to a method of generating a nude mouse model for human neoplastic disease. The composition and method of generating relate to a nude mouse having histologically intact human neoplastic tissue of at least 1 mm³ in size transplanted onto an organ of said mouse which corresponds to the human organ from which said tissue is originally obtained; and having sufficient immuno-deficiency to allow said transplanted neoplastic tissue to grow and mimic the progression of the neoplastic disease in the human donor.
- 3. The attorney of record who filed and prosecuted the applications which subsequently issued as the '812 patent committed an error on his part, apparently without any deceptive intent, by failing to recognize the full breadth and pioneering nature of the present invention and by accepting claims of a narrower scope than that to which Applicant was entitled. These unduly narrowed claims have resulted in the partial inoperativeness or invalidity of the '812 patent by reason of the patentee claiming less that he had a right to claim in the patent. (37 C.F.R. § 1.175(a)(3))

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- 4. These errors in claims 1-12 may be deemed to render the claims as granted wholly or partly invalid and therefore should be corrected.
- 5. The original claims 1-12 are filed herewith without any modifications or amendments thereto. Also presented are new claims 13-29, which seek to broaden the scope of claims as originally issued. Applicant hereby reserves the right to subsequently amend the claims for the purpose of seeking additional breadth in claim scope as appropriate and necessary.
- 6. Claims 13, 14, 20, and 21 are drawn to compositions and methods of generating a nude rodent model and specifically in claims 14 and 21, wherein said rodent is a rat. The original specification provides basis for these claims at column 4, lines 9-11, and in view of the disclosure at column 2, line 66 to column 3, line 62.
- 7. Claims 15-17 and 22-24 are drawn to compositions and methods of generating an immunodeficient rodent model and specifically in claims 16 and 23, wherein said rodent is a rat and specifically in claims 17 and 24, wherein said rodent is a mouse. The original specification provides basis for these claims at column 4, lines 9-11, and in view of the disclosure at column 2, line 66 to column 3, line 62.
- 8. Claims 18 and 25 are drawn to compositions and methods of generating an immunodeficient rodent model and specifically wherein said rodent is a severe combined immunodeficient (SCID) mouse. The original specification provides basis for these claims at column 4, lines 9-11, and in view of the disclosure at column 2, line 66 to column 3, line 62 and in view of the art at the time of the original filing of the '990 application which recognized that SCID mice were immunodeficient due to a lack of mature T-cells.
- 9. Claims 19 and 26 are drawn to compositions and methods of generating an immunodeficient non-human mammal model. The original specification provides basis for these claims at column 4, lines 9-11, and in view of the disclosure at column 2, line 66 to column 3, line 62.
- 10. Claims 27-29 are drawn to compositions of immunodeficient models, wherein is deleted the size limitation of 1 mm³ relating to the histologically intact human neoplastic tissue

that is transplanted onto an organ of said immunodeficient models. This size limitation was included at the close of prosecution in the '730 application, apparently in response to a rejection of the claims under 35 U.S.C. § 112, second paragraph.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Please recognize the following attorneys and agents:

Sanjay Bagade (Reg No. 42,280) Richard R. Batt (Reg No. 43,485) Kimberly A. Bolin (Reg No. P-44,546) Sean Brennan (Reg No. 39,917) Nicholas Buffinger (Reg No. 39,124) Alan W. Cannon (Reg No. 34,977) Robert K. Cerpa (Reg No. 39,933) Thomas E. Ciotti (Reg No. 21,013) Matthew M. D'Amore (Reg No. 42,457) Stephen C. Durant (Reg No. 31,506) Hector Gallegos (Reg No. 40,614) Franklin Y. Han (Reg No. 41,055) Charles D. Holland (Reg No. 35,196) Madeline I. Johnston (Reg No. 36,174) Ararat Kapouytian (Reg No. 40,044) Kawai Lau (Reg No. 44,461) Richard H. Lilley (Reg No. 42,803) Wen Liu (Reg No. 32,822) Harry J. Macey (Reg No. 32,818) Thomas D. Mays (Reg No. 34,524) Kate H. Murashige (Reg No. 29,959) William C. Revelos (Reg No. 42,101) Robert Saltzberg (Reg No. 36,910) Kevin R. Spivak (Reg No. 43,148) E. Thomas Wheelock (Reg No. 28,825) Karen K. Wong (Reg No. 44,409)

Erwin J. Basinski (Reg No. 34,773) Frank P. Becking (Reg No. 42,309) Timothy J. Bortree (Reg No. 43,506) Barry E. Bretschneider (Reg No. 28,055) Jingming Cai (Reg No. P-44,579) Mark R. Carter (Reg No. 39,131) Thomas Chuang (Reg No. P-44,616) Steven X. Cui (Reg No. P-44,637) Raj S. Davé (Reg No. 42,465) Carolyn A. Favorito (Reg No. 39,183) Kenneth R. Glick (Reg No. 28,612) Douglas Hodder (Reg No. 41,840) Peter Hsieh (Reg No. P-44,780) Richard D. Jordan (Reg No. 33,519) Phanesh B. Koneru (Reg No. 40,053) Susan K. Lehnhardt (Reg No. 33,943) David C. Liu (Reg No. P-43,755) David C. Lundmark (Reg No. 42,815) Michael J. Mauriel (Reg No. 44,226) Gladys H. Monroy (Reg No. 32,430) Catherine M. Polizzi (Reg No. 40,130) Paul J. Riley (Reg No. 38,596) Debra A. Shetka (Reg No. 33,309) Suzannah K. Sundby (Reg No. 43,172) Thomas G. Wiseman (Reg No. 35,046) Frank Wu (Reg No. 41,386)

Attached as part of this declaration and power of attorney is the authorization of the above-names attorney(s) to accept and follow instructions from my representative.

all of Morrison & Foerster LLP, 2000 Pennsylvania Avenue, N.W., Washington, D.C. 20006-1888, and 12636 High Bluff Drive, Suite 300, San Diego, California 92130; to prosecute this application and transact all matters in the United States Patent and Trademark Office connected therewith.

Please direct all written communications relative to this application to:

Kate H. Murashige Morrison & Foerster LLP 2000 Pennsylvania Avenue, N.W. Washington, D.C. 20006-1888

Please direct all telephone communications to Kate H. Murashige at (858) 720-5112.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

nonsigning inventor - completed
on added page

Date

Name: Ann Monosov Residence: Encinitas, CA Citizenship: United States Post Office Address: 1715 Edgefield Lane Encinitas, CA 92024-1977

nonsigning inventor - completed on added page

Date

Name: Xinyu Fu Residence: La Jolla, CA Citizenship: China Post Office Address: 3725 Miramar Street, Apt. C La Jolla, CA 92037 01/11/2000 12:45 16192684175 JAN 10 2000 2:58 PM FR FO-SAN D

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1/11/00 Date

Name: Robert M./Hoffman President, Anti-Cancer, Inc.

Residence:

Citizenship: United States Post Office Address: 7917 Ostrow Street San Diego, CA 92111